

National Science Education Standards (NSES) Checklist for Content Standards Grades K-4

Science as Inquiry - CONTENT STANDARD A:

As a result of activities in grades K-4, all students should develop

- ☐ Abilities necessary to do scientific inquiry
- ☐ Understandings about scientific inquiry

Physical Science - CONTENT STANDARD B:

As a result of their activities in grades K-4, all students should develop an understanding of

- ☐ Properties of objects and materials
- ☐ Position and motion of objects
- ☐ Light, heat, electricity, and magnetism

Life Science - CONTENT STANDARD C:

As a result of their activities in grades K-4, all students should develop understanding of

- ☐ The characteristics of organisms
- ☐ Life cycles of organisms
- ☐ Organisms and environments

Earth and Space Science - CONTENT STANDARD D:

As a result of their activities in grades K-4, all students should develop an understanding of

- ☐ Properties of earth materials
- ☐ Objects in the sky
- ☐ Changes in earth and sky

Science and Technology - CONTENT STANDARD E:

As a result of activities in grades K-4, all students should develop

- ☐ Abilities of technological design
- ☐ Understanding about science and technology
- ☐ Abilities to distinguish between natural objects and objects made by humans

Science in Personal and Social Perspectives - CONTENT STANDARD F:

As a result of activities in grades K-4, all students should develop understanding of

- ☐ Personal health
- ☐ Characteristics and changes in populations
- ☐ Types of resources
- ☐ Changes in environments
- ☐ Science and technology in local challenges

History and Nature of Science -CONTENT STANDARD G:

As a result of activities in grades K-4, all students should develop understanding of

- ☐ Science as a human endeavor

For a complete description of each Content Standard, see:

<http://books.nap.edu/html/nses/html/overview.html#content>